

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A computer-implemented method comprising:
receiving a notification regarding a data object indicating a change to the data object;
upon each receipt of the notification, requesting, by an agent executing in a computer system, changed data from the data object;
checking, ~~by an agent executed by a computer system~~ the agent, a plurality of entries representative of a plurality of applications maintained by the agent to determine whether the changed data is relevant for each application in the plurality of applications,
notifying, by the agent, an application about the changed data if the change is relevant for that application; and
transmitting, by the agent, the changed data to the application.
2. (Previously Presented) The method of claim 1, further comprising:
receiving a confirmation from the application after transmitting the changed data to the application.
3. (Previously Presented) The method of claim 2, further comprising:
triggering a mechanism if the confirmation of the changed data is not received from the application.
4. (Previously Presented) The method of claim 1, further comprising:
registering an entry of a sub-object, the sub-object being a set of data which is changed in dependence on the change to the data object.
5. (Previously Presented) The method of claim 4, further comprising:
transmitting changed sub-object data to the application after notifying the application.
6. (Previously Presented) The method of claim 1, further comprising:
determining a list of fields with changes that are relevant for the application.

7. (Previously Presented) The method of claim 1 further comprising:
filtering out data from the changed data not to be communicated to the application, prior to transmitting the changed data to the application.
8. (Previously Presented) The method of claim 1, further comprising:
registering an entry representative of the application; and
specifying a type of change to the data object that is relevant for the application.
9. (Currently Amended) The method of claim 1 further comprising:
registering an entry for the data object and the application ~~and~~in a customization structure of the agent.

10. (Previously Presented) The method of claim 9, wherein the entry for the data object comprises:

- an ID representative of the data object;
- an ID representative of a key of the data object;
- a flag representative of an activity;
- an ID representative of a key structure of the data object; and
- an ID of a wrapper class.
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11. (Previously Presented) The method of claim 9, wherein the entry for the application comprises:

- an ID representative of the application;
- a flag representative of an activity; and
- an ID representative of an expected structure of notification.

12. (Previously Presented) The method of claim 4, wherein the entry for the sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of a key data object;

- an ID representative of a structure of the data object; and
- an ID representative of an object key object.

13. (Previously Presented) The method of claim 1, wherein the data object represents one of a location, a location-product, and a transportation lane in a context of a business application.

14. (Currently Amended) A computer system comprising:

an agent executed by the computer system for administrating changes of data objects, the agent to register an entry representative of a data object in a first data structure, to register an entry representative of an application in a second data structure, the application entry specifying the data object whose changes are relevant for the application, to call a first method by the agent to notify the application about a change to the data object, to call a second method by the agent to obtain changed data from the data object, to call a third method by the agent to check whether the change to the data object is relevant for the application, and to call a fourth method by the agent to transmit relevant changed data to the application after notifying the application.

15. (Previously Presented) The computer system of claim 14, wherein the agent generates a first input interface to allow for registering the entry representative of the data object, and generates a second input interface to allow for registering the entry representative of the application.

16. (Previously Presented) The computer system of claim 14, wherein the agent receives a confirmation from the application after transmitting the relevant changed data to the application.

17. (Previously Presented) The computer system of claim 16, wherein the agent triggers a mechanism if the confirmation is not received from the application.

18. (Previously Presented) The computer system of claim 14, wherein the agent registers an entry of a sub-object, the sub-object being a set of data which is changed in dependence on a change of a key data object.

19. (Previously Presented) The computer system of claim 18, wherein the agent transmits a relevant change to the sub-object to the application after notifying the application.

20. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the agent maintains a list of fields whose changes are relevant for the application.

21. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the agent filters out data from the relevant changed data that is not to be communicated to the application, prior to transmitting the relevant changed data to the application.

22. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the entry representative of the application specifies which changes of the data object are relevant for the application.

23. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the entry of the data object and the application are registered in a customization structure of the agent.

24. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein an entry for the data object comprises:

- an ID representative of the data object;
- an ID representative of a key of the data object;
- a flag representative of an activity;
- an ID representative of a key structure of the data object; and
- an ID of a wrapper class.

25. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the entry for the application comprises:

- an ID representative of the application;
- a flag representative of an activity; and
- an ID representative of an expected structure of notification.

26. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein an entry for a sub-object comprises:

- an ID representative of the sub-object;
- an ID representative of a key data object;
- an ID representative of a structure of the data object; and
- an ID representative of an object key object.

27. (Currently Amended) The computer system of ~~one of claims~~ claim 14, wherein the data object represents one of a location, a location-product, and a transportation lane in a context of a business application.

28. (Currently Amended) A non-transitory machine ~~accessible readable storage~~ medium having ~~instruction instructions~~ stored therein, ~~the instructions that when executed by a processor~~ cause the machine to perform a set of operations comprising:

- storing a data object entry in a first data structure;
- storing an application entry in a second data structure, the application entry specifying the data object whose changes are relevant for an application;
- receiving a notification regarding ~~the~~ the data object as to a change to the data object;
- upon receipt of the notification, getting changed data from ~~the~~ the data object;
- checking among a plurality of applications whether the change is relevant for each application in the plurality of applications,
- notifying the application about the change if the change is relevant for the application; and
- transmitting the relevant changed data to the application.